Docket No.: M4065.0509/P509C (PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Hasan Nejad et al.

Application No.: Not Yet Assigned

Confirmation No.:

Filed: Concurrently Herewith

Art Unit: 2818

For: STACKED COLUMNAR IT-*n*MJT

MRAM STRUCTURE AND ITS METHOD OF FORMATION AND

OPERATION

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

A copy of each reference on the PTO/SB/08 is attached.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other

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material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1073, under Order No. M4065.0509/P509 C. A duplicate copy of this paper is enclosed.

Dated: February 24, 2004

Respectfully submitted,

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				Application Number	Not Yet Assigned	
INFORMATION DISCLOSURE				Filing Date	Concurrently Herewith	
STATEMENT BY APPLICANT			PPLICANT	First Named Inventor	Hasan Nejad	
				Art Unit	2818	
	(Use as many s	heets as	necessary)	Examiner Name	Not Yet Assigned	
Sheet	1	of	1	Attorney Docket Number	M4065.0509/P509 BC	

			U.S. PA	TENT DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-2000/0012228	8/2001	Perner	
	AB	US-2001/0038548	11/2001	Perner et al.	

		FOREIG	GN PATENT I	DOCUMENTS		
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	

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	NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²			
	CA	How Magnetic RAM Will Work http://www.howstuffworks.com/mram2.htm				
	СВ	MTJ Based MRAM System Design http://www.aps.org/meet/MAR01/baps/abs/S2550004.html				
	CC	Motorola Demonstrates Revolutionary Memory Technology http://www.apspg.com/press/060100/mram-final.html				
-	CD	Computing Unplugged http://www.research.ibm.com/thinkresearch/pages/2001/20010202 mram.shtml>				
	CE	Magnetic Tunnel Junction Materials for Electronic Applications http://www.tms.org/pubs/journals/JOM/0006/Slaughter/Slaughter-0006.html				
	CF	Magneto-Electronics: Magnetic Tunnel Junctions http://www.almaden.ibm.com/st/projects/magneto/mtj/>				

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